

## RAW SEQUENCE LISTING

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Application Serial Number:

09/415,795C

Source:

IFW/6

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11/28/06

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IFW16

## RAW SEQUENCE LISTING

DATE: 11/28/2006

PATENT APPLICATION: US/09/415,795C

TIME: 10:20:05

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Output Set: N:\CRF4\11282006\I415795C.raw

3 <110> APPLICANT: Zhou, Pengbo  
 4 Howley, Peter M.  
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 7 PROTEIN LIGASES  
 9 <130> FILE REFERENCE: HNV-043.01  
 11 <140> CURRENT APPLICATION NUMBER: 09/415,795C  
 12 <141> CURRENT FILING DATE: 1999-10-08  
 14 <160> NUMBER OF SEQ ID NOS: 49  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
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(pg.6)

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228 cgtttgcacg agctgaaaaa attacaattc gatattgaat ctgctaataa tcaagaatac 12300
229 gacttaaaat tcaagttgag ggaacgctg gttaaagtcg atgacttgag tgctaataca 12360
230 agagaaacaa tgaaagaaag aaaactaaga gaaaatatag caatgttgaa aagattcttc 12420
231 cccggagtaa aaggctctgt tcatgatctt tgtcacccaa aaaaggagaa atatggcttg 12480
232 gcagtgtcta ccatcttagg taagaacttt gattccgtca ttgtagaaaa tttaacgcta 12540
233 gctcaagaat gcattgcatt tttgaagaag caacgtgcgg gcactgcac tttcatacca 12600
234 ctagacacaa ttgagacaga gttacctaca ttatcattgc ctgactcaca agactatatt 12660
235 ttatcaatta atgctattga ctacgagccg gaatatgaaa aagcgatgca atatgtgtgt 12720
236 ggcgattcca tcatatgtaa tacgttgaat attgctaaag atctgaaatg gaaaaagggc 12780
237 ataagaggca aattgggttac aattgaagggt gctttgatcc acaaggccgg tttgatgaca 12840
238 ggtggtatat caggagatgc caataatagg tgggataaag aagaatatca aagcttaatg 12900
239 tctttaaaag acaaaattact aatccaaatc gatgaacttt ccaacgggtc acgctctaata 12960
240 tcaatcagag caagagaagt tgaaaatagt gtttactat tgaactcgga catagcaaat 13020
241 ttgagaactc aagtaacaca acaaaaacgc tccttggtatg aaaatcgttt agagattaag 13080
242 taccataatg acttgataga gaaagaaatt caaccgaaga taactgaact aaagaagaag 13140
243 ctagatgatt tagaaaatac taaagataat ttagtgaaag agaaggaggc tttacaaaat 13200
244 aatattttca aagaattcac tagtaaaatt ggctttacaa tcaaagaata tgaaaatcat 13260
245 tccggtgaat tgatgagaca acaatctaaa gaattacagc agttacaaaa acaaatcttg 13320
246 accgttgaaa ataagttgca gtttgagaca gacagactaa gtactactca aagaagatat 13380
247 gaaaaggcgc aaaaggattt agagaatgct caagttgaaa tgaagtcttt ggaagaacag 13440
248 gaatatgcaa tagaaatgaa aatcggatca atagagtcta aattggaaga acacaaaaat 13500

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/415,795C

DATE: 11/28/2006  
TIME: 10:20:06

Input Set : A:\HNV-04301.txt  
Output Set: N:\CRF4\11282006\I415795C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; Xaa Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Seq#:14; Xaa Pos. 24,26,27,28,29,30

Seq#:17; Xaa Pos. 1,2,3

Seq#:33; N Pos. 20

## VERIFICATION SUMMARY

DATE: 11/28/2006

PATENT APPLICATION: US/09/415,795C

TIME: 10:20:06

Input Set : A:\HNV-04301.txt

Output Set: N:\CRF4\11282006\I415795C.raw

L:2133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16  
L:2189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:2499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0